

# Bachelor of Science in Information Systems -- 120 Credits

## (Business Information Systems)

JIS-BS / JBSBIS-SP (RG 6883)  
Effective August 2018

### GENERAL EDUCATION REQUIREMENTS (RG 6793)

#### REQUIRED COURSES (RG 6864)

Foundational Courses	CR	Satisfied/Term
Engcmp 0003 or 0005	3	
Engcmp 0004 or 0006	3	
CommRc 0052 Public Speaking	3	
<b>Basic Algebra or Placement Test</b>		
Math 0001 Algebra 1	3	
<b>Quantitative Reasoning (QR) - 1 Course</b>		
<i>Note - a student cannot test out of their QR requirement.</i>		
	3	

#### FREE ELECTIVES

Free electives are the balance of credits required for graduation (120) that are not used to satisfy competencies, knowledge areas, major requirements, electives, or any related area required by the department.

	CR	Satisfied/Term

#### WORLDS OF KNOWLEDGE (RG 6874)

Aesthetic and Creative Expression (RQ 3148)				
Subject	Number	Course Title	CR	Satisfied/Term
Engwrt	1192	Technical Writing	3	
			3	

Societies & Civics (RQ 3150)				
Subject	Number	Course Title	CR	Satisfied/Term
Econ	105	Microeconomic Theory	3	
			3	

Follow-Up Courses (RQ 3154)				
Subject	Number	Course Title	CR	Satisfied/Term
Math	0401	Discrete Math Struct	3	

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from any World.

- >The minimum number of courses taken in the Worlds must be 10.
- >The Follow-Up courses may repeat a subject previously taken in a World.
- >A student cannot use a major required Subject course in one of the Worlds.
- >For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.
- >Students cannot use a course to count both in their QR requirement and one of the Worlds.
- >Students can choose QR and Worlds of Knowledge courses from published course lists.

Global History & Culture (RQ 3149)				
Subject	Number	Course Title	CR	Satisfied/Term
Econ	0115	Macroeconomic Theory	3	
			3	

Science & Nature (RQ 3153)				
Subject	Number	Course Title	CR	Satisfied/Term
CS	0015	Intro to CS Programming	3	
Math	0121	Business Calculus	4	

### MAJOR REQUIREMENTS (RG 6883)

Required Economics (RQ 3179)		
Econ 0105	Microeconomic Theory	3
Econ 0115	Macroeconomic Theory	3
<b>Required Math and CS (RQ 3219,3180,3181)</b>		
Math 0401	Discrete Math Struct	3
Math 0121*	Business Calculus	4
CS 0015	Intro to CS Programming	3
CS 0016	Intro to CS Progr Appl	1
<b>Required Writing (RQ 3182)</b>		
Engwrt 1192	Technical Writing	3
<b>Requirement Satisfied</b>		
		20

(RQ 3221)		
<b>IS Core</b>		
IS 0400*	Intro to Information Systems	3
IS 1410	Database Management Systems	3
IS 1420	Systems Analysis & Design	3
IS 1435	IS Project Management	3
IS 1440	Quality Assurance	3
<b>Requirement Satisfied</b>		15

(RQ 3220)		
<b>Business Required</b>		
Bus 0100	Introduction to Business	1
Acct 0115	Accounting Principles 1	3
Fin 0300	Principles of Finance	3
Bus 0350	Micro-Computer Appl	3
Mgmt 0500	Principles of Management	3
Mkt 0600	Principles of Marketing	3
Bus 1540	Ethics & Leadership	3
<b>Requirement Satisfied</b>		22

(RQ 3222)		
<b>IS Electives</b>		
Select four of the following courses		
IS 1412	Graphic Design	3
IS 1415	Web Development	3
IS 1425	Networking	3
IS 1426	Hardware / Operating Systems	3
IS 1427	Systems Administration	3
IS 1428	Mobile Apps	3
IS 1441	Business Intelligence	3
IS 1445	IS Special Topics	3
IS 1450	Enterprise Applications	3
IS 1470	Information Security	3
IS 1471	Advanced Information Security	3
IS 1478	Ethical Hacking	3
IS 1488	IS Internship	3
IS 1489	IS Independent Study	3
CS 0417	Intern Prog Using Java	3
<b>Requirement Satisfied</b>		12

Required Statistics (RQ 3178)		
Stat 1040	Statistics for Bus/Econ	3
<b>Required Senior Seminar (RQ 3183)</b>		
Bus 1700	Business Strategy	3
<b>Requirement Satisfied</b>		6

\* Course must be completed with a minimum grade of "C."

MGPA (RQ 3223)  
Residency (RQ 3224)

Updated 5/15/20

#### IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office or the Office of the Registrar.